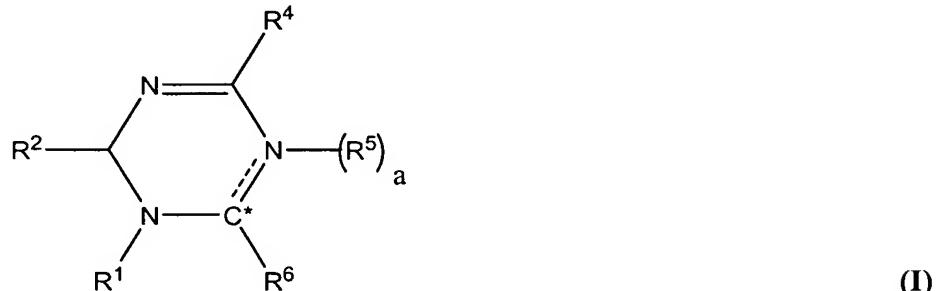


**WHAT IS CLAIMED IS:**

1        1.        A compound having a structure according to Formula I:



3        wherein

4        a is either 0 or 1;

5        the dashed line represents a double bond between C\* and N when a is 0;

6        R<sup>2</sup> is a member selected from (=O) and NR<sup>7</sup>R<sup>8</sup>;

7        R<sup>4</sup> is a member selected from H, halogen, OR<sup>3</sup>, NR<sup>7</sup>R<sup>8</sup>, halogen, nitrile, and  
8        substituted and unsubstituted (C<sub>1</sub>-C<sub>5</sub>)alkyl;

9        R<sup>6</sup> is a member selected from H, halogen, OR<sup>3</sup>, NR<sup>3</sup>R<sup>3</sup>, substituted or unsubstituted  
10      alkyl, substituted or unsubstituted heteroalkyl, substituted or unsubstituted 3-  
11      to 7- membered cycloalkyl, substituted or unsubstituted 5- to 7- membered  
12      heterocycloalkyl, substituted or unsubstituted acyl, substituted or unsubstituted  
13      aryl, and substituted or unsubstituted heteroaryl;

14      R<sup>7</sup>, R<sup>8</sup>, R<sup>5</sup> and R<sup>1</sup> are members independently selected from H, OR<sup>3</sup>, NR<sup>3</sup>R<sup>3</sup>,  
15      substituted or unsubstituted alkyl, substituted or unsubstituted heteroalkyl,  
16      substituted or unsubstituted 3- to 7- membered cycloalkyl, substituted or  
17      unsubstituted 5- to 7- membered heterocycloalkyl, substituted or unsubstituted  
18      acyl, substituted or unsubstituted aryl, and substituted or unsubstituted  
19      heteroaryl;

20      R<sup>3</sup> is independently selected from H, substituted or unsubstituted alkyl and substituted  
21      or unsubstituted acyl;

22      wherein R<sup>7</sup> and R<sup>8</sup> together with the nitrogen to which they are joined optionally form  
23      a substituted or unsubstituted 5- to 7- membered ring;

24      wherein R<sup>8</sup> and R<sup>5</sup> together with the atoms to which they are joined optionally form a  
25      substituted or unsubstituted 5- to 7- membered ring;

26 wherein R<sup>5</sup> and R<sup>6</sup> together with the atoms to which they are joined optionally form a  
27 substituted or unsubstituted 5- to 7- membered ring; and  
28 wherein at least one member selected from R<sup>3</sup>, R<sup>5</sup>, R<sup>7</sup>, and R<sup>8</sup>, alone or together with  
29 the atom to which it is covalently bonded, is selected from carbamate and urea  
30 linkers.

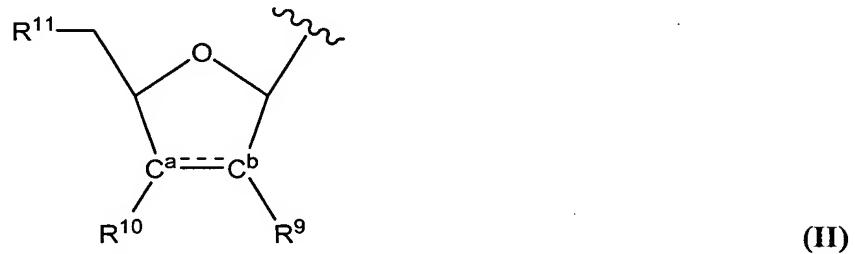
1           2.     The compound according to claim 1, wherein R<sup>2</sup> is selected from (=O),  
2 -NH<sub>2</sub>, and -NHOH.

1           3.     The compound according to claim 1, wherein R<sup>4</sup> is selected from F,  
2 CN, -CCH, -CCMe, and CH<sub>3</sub>.

1           4.     The compound of claim 1, wherein R<sup>1</sup> comprises a hydroxyl moiety.

1           5.     The compound of claim 4, wherein R<sup>1</sup> comprises a saccharyl moiety.

1           6.     The compound of claim 1, wherein R<sup>1</sup> is a structure according to  
2 Formula II:



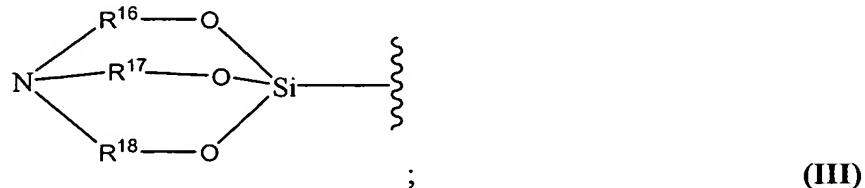
4     wherein  
5       the dashed line represents a double bond between C<sup>a</sup> and C<sup>b</sup>;  
6       R<sup>9</sup>, R<sup>10</sup> and R<sup>11</sup> are members independently selected from H, -OH, -OR<sup>12</sup>, -NH<sub>2</sub>,  
7       -NO<sub>2</sub>, -SO<sub>2</sub>NH<sub>2</sub>, N<sub>3</sub>, halogen, substituted or unsubstituted alkyl, substituted or  
8       unsubstituted heteroalkyl, substituted or unsubstituted 3- to 7- membered  
9       cycloalkyl, substituted or unsubstituted 5- to 7- membered heterocycloalkyl,  
10      substituted or unsubstituted acyl, substituted or unsubstituted aryl, and substituted  
11      or unsubstituted heteroaryl;

12     wherein R<sup>12</sup> is selected from an amino acid and a peptide comprising between  
13      2 and 5 amino acids;

14     wherein R<sup>9</sup> and R<sup>10</sup> together with the atoms to which they are joined optionally form a  
15      substituted or unsubstituted 5- to 7- membered ring;

16 wherein R<sup>10</sup> and R<sup>11</sup> together with the atoms to which they are joined optionally form  
17 a substituted or unsubstituted 5- to 7- membered ring.

1 7. The compound according to claim 6, wherein R<sup>9</sup>, R<sup>10</sup> and R<sup>11</sup> are  
2 members independently selected from H, OH, (R<sup>13</sup>)<sub>3</sub>SiO-, and a structure according to  
3 Formula III:



5 wherein each R<sup>13</sup> is independently selected from substituted or unsubstituted alkyl,  
6 substituted or unsubstituted heteroalkyl, substituted or unsubstituted 3- to 7-  
7 membered cycloalkyl, substituted or unsubstituted 5- to 7- membered  
8 heterocycloalkyl, substituted or unsubstituted acyl, substituted or unsubstituted  
9 aryl, and substituted or unsubstituted heteroaryl;

10 wherein more than one R<sup>13</sup> together with the atoms to which they are joined  
11 optionally form a substituted or unsubstituted 5- to 7- membered ring; and  
12 wherein R<sup>16</sup>, R<sup>17</sup>, and R<sup>18</sup> are independently selected from substituted and  
13 unsubstituted alkyl.

1 8. The compound of claim 7, wherein R<sup>16</sup>, R<sup>17</sup>, and R<sup>18</sup> are ethyl.

1 9. The compound according to claim 1, wherein R<sup>3</sup>, R<sup>5</sup>, R<sup>7</sup>, and R<sup>8</sup> are  
2 independently selected from H and a structure according to Formula IV:



4 wherein R<sup>14</sup> is selected from substituted or unsubstituted alkyl, substituted or  
5 unsubstituted heteroalkyl, substituted or unsubstituted cycloalkyl,  
6 substituted or unsubstituted heterocycloalkyl, substituted or unsubstituted  
7 acyl, substituted or unsubstituted aryl, and substituted or unsubstituted  
8 heteroaryl, an amino acid, and a peptide comprising between 2 and 5  
9 amino acids;

10 wherein if R<sup>8</sup> is a structure according to Formula IV, then R<sup>7</sup> is H.

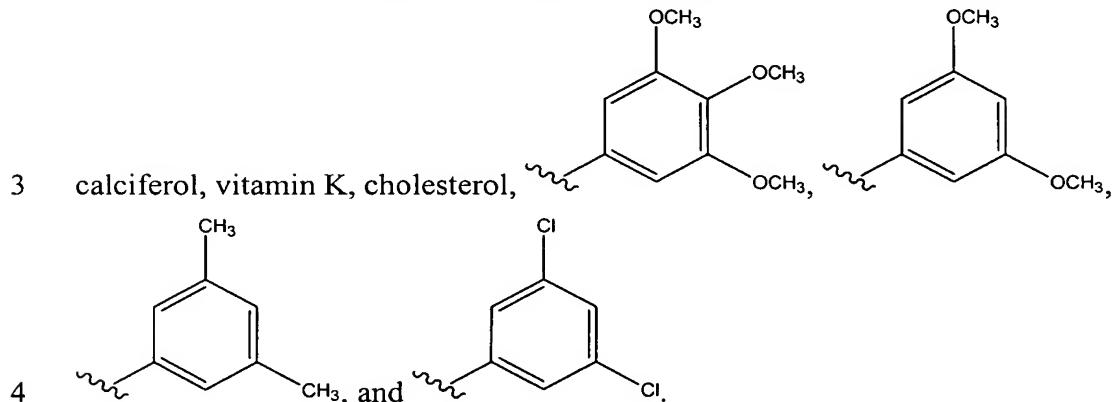
1           **10.**   The compound according to claim 1, wherein R<sup>3</sup>, R<sup>5</sup>, R<sup>7</sup>, and R<sup>8</sup> are  
2 independently selected from H and a structure according to Formula V:



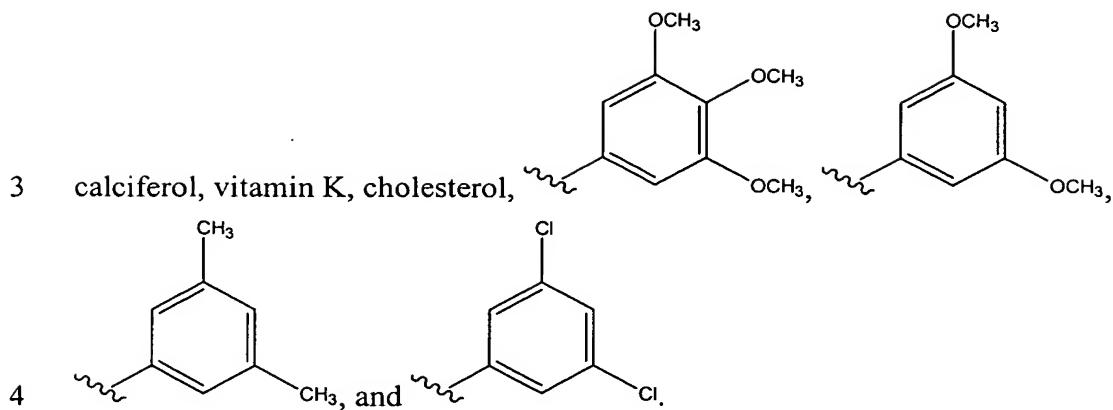
4           wherein R<sup>15</sup> is selected from substituted or unsubstituted alkyl, substituted or  
5           unsubstituted heteroalkyl, substituted or unsubstituted cycloalkyl,  
6           substituted or unsubstituted heterocycloalkyl, substituted or unsubstituted  
7           acyl, substituted or unsubstituted aryl, substituted or unsubstituted  
8           heteroaryl, an amino acid, and a peptide comprising between 2 and 5  
9           amino acids;

10          wherein if R<sup>8</sup> is a structure according to Formula V, then R<sup>7</sup> is H.

1           **11.**   The compound according to claim 9, wherein R<sup>14</sup> is selected from  
2           substituted or unsubstituted (C<sub>4</sub>-C<sub>12</sub>)alkyl, benzyl, 2-nitro-furanyl, retinol,  $\alpha$ -tocopherol,



1           **12.**   The compound according to claim 10, wherein R<sup>15</sup> is selected from  
2           substituted or unsubstituted (C<sub>4</sub>-C<sub>12</sub>)alkyl, benzyl, 2-nitro-furanyl, retinol,  $\alpha$ -tocopherol,



1                   **13.**       The compound according to claim **11**, wherein R<sup>14</sup> is unsubstituted  
 2       (C<sub>6</sub>-C<sub>10</sub>)alkyl.

1                   **14.**       The compound according to claim **12**, wherein R<sup>15</sup> is unsubstituted  
 2       (C<sub>6</sub>-C<sub>10</sub>)alkyl.

1                   **15.**       The compound according to claim **9**, wherein R<sup>2</sup> is selected from (=O),  
 2       -NH<sub>2</sub>, and -NHOH.

1                   **16.**       The compound according to claim **10**, wherein R<sup>2</sup> is selected from  
 2       (=O), -NH<sub>2</sub>, and -NHOH.

1                   **17.**       The compound according to claim **9**, wherein R<sup>4</sup> is selected from -F,  
 2       -CN, -CCH, -CCMe, and -CH<sub>3</sub>.

1                   **18.**       The compound according to claim **10**, wherein R<sup>4</sup> is selected from -F,  
 2       -CN, -CCH, -CCMe, and -CH<sub>3</sub>.

1                   **19.**       The compound according to claim **11**, wherein  
 2       R<sup>2</sup> is selected from (=O), -NH<sub>2</sub>, and -NHOH; and  
 3       R<sup>4</sup> is selected from -F, -CN, -CCH, -CCMe, and -CH<sub>3</sub>.

1                   **20.**       The compound according to claim **12**, wherein  
 2       R<sup>2</sup> is selected from (=O), -NH<sub>2</sub>, and -NHOH; and  
 3       R<sup>4</sup> is selected from -F, -CN, -CCH, -CCMe, and -CH<sub>3</sub>.

1                   **21.**     A method for treating a viral disease comprising administering to a  
2 subject in need of such treatment a therapeutically effective amount of a compound according  
3 to claim 1.

1                   **22.**     The method of claim **21**, wherein said compound is given orally.

1                   **23.**     The method of claim **22**, wherein said compound is an enteric  
2 formulation.

1                   **24.**     The method of claim **23**, wherein said compound is delivered in an  
2 osmotic oral delivery device.

1                   **25.**     The method of claim **21**, wherein the viral disease is caused by a virus  
2 selected from a RNA virus and a DNA virus.

1                   **26.**     The method of claim **25**, wherein said virus is selected from a  
2 retrovirus and a ribovirus.

1                   **27.**     The method of claim **26**, wherein said retrovirus is selected from HIV  
2 and Hepatitis B.

1                   **28.**     The method of claim **26**, wherein said ribovirus is Hepatitis C.

1                   **29.**     A method for treating cancer comprising administering to a subject in  
2 need of such treatment a therapeutically effective amount of a compound according to claim 1.

1                   **30.**     The method of claim **29**, wherein said cancer is a hematopoietic  
2 cancer.

1                   **31.**     A pharmaceutical composition comprising a pharmaceutically  
2 acceptable carrier and a compound according to Formula I.